APR 2 5 2005

PTO/SB/08b (08-03) (AW 10/2003) Approved for use through 6/30/2006, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE 995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ork Reduction Act Substitute for Form 14 PBIRTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 1

Complete if Known				
Application Number	10/020,427			
Filing Date	December 7, 2001			
First Named Inventor	Mitsuaki OSHIMA, et al			
Art Unit	2134			
Examiner Name	Paul E. Callahan			
Attorney Docket No.	MTS-520US3			

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
PC		Japanese Official Action for JP 2002-235948, date mailed September 28, 2004, with English translation.	Ø
PC		Japanese Official Action for JP 2002-235949, date mailed September 28, 2004, with English translation.	Ø
pc		"Outline of Barcode Symbol", (see "JAN code standard" at http://www.barcode.ne.jp/about_barcode/code/index.html , with English translation.	×
•			
		•	
		_	0
Examiner Signature		Paul (allahan Date Considered 4-7-05	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any complete, including gathering, preparing, and source apparent of complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and s IDS of 11/08/04

٠.	OIP		F
	6.7	. 1	
13	APR 25	. 🔍 🖊	\bigcirc
.벌	2005 m	Paperwork Reduction Act	of 1995, no pers

SHEET 1 of 2

PTO/SB/08A (AW 4/25/03) (04-03)
Approved for use through 04/30/2004, OMB 06S1-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/020,427	
Filing Date	December 7, 2001	
First Named Inventor	Mitsuaki OSHIMA, et al.	
Art Unit	2134	
Examiner Name	Paul E. Callahan	
Attorney Docket No.	MTS-520US3	

		Document Number			Pages, Columns, Lines, Where
Examiner Initials*	Cite No.1	Number - Kind Code ^{2 (If known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
					· · · · · · · · · · · · · · · · · · ·
			·		
					<u> </u>
		· · · · · · · · · · · · · · · · · · ·		 	<u> </u>
					
					

		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Cite Initials* No.1			Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	Т
1		JP 01-243237 A (with English abstract)	09/27/89	RICOH CO LTD		L
PC		EP 0 520 619 A	12/30/92	PIONEER ELECTRONIC CORP		
		•				
		•	-		**	
			\			
			<u> </u>			
xaminer			<u> </u>	Date		
Ignature	1.	Poul Callahan	•	Considered	4-7-05	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*Applicant's unique citation designation number (optional).

*See kind Codes of USPTO Patent Documents at https://www.uspto.gov or MPEP 901.04.

*Enter Office that issued the document, by the two-letter code (MIPO Standard St.3).

*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

*Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Officer, U.S. Department of Commence, Washington, DC 20211. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completion the form. call 1-900-PTO-9199 (1-800-786-9199) and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

from: Ins 9 4/25/05

SHEET 2 of 2

PTO/SB/08b (08-03) (AW 10/2003)
Approved for use through 6/30/2006. OMB 0651-0031
and Trademark Office: U.S. DEPARTMENT OF COMMERCE re required to respond to a collection of information unless it displays a valid OMB control number.

t of 1995, no person Under the Paperwork Reduction

Substitute for Form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known					
10/020,427	· · ·				
December 7, 2001					
Mitsuaki OSHIMA, et al.	·				
2134	·				
Paul E. Callahan					
MTS-520US3					
	10/020,427 December 7, 2001 Mitsuaki OSHIMA, et al. 2134 Paul E. Callahan				

		NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
DC		European Search Report for EP 04020082, dated October 6, 2004.	
<u></u> .	·		
		•	
•			
·			0
•			
			0
			0
Examiner Signature		Date Considered 4-7-05	-

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant."

'Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.





SHEET 1 of 2



(AW 08/03)

Substitute for Form 1449A/P

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/020,427			
Filing Date	December 7, 2001			
First Named Inventor	Mitsuaki Oshima, et al.			
Art Unit	2134			
Examiner Name	Paul E. Callahan			
Attorney Docket No.	MTS-520US3			

	U.S. PATENT DOCUMENTS					
		Document Number			Pages, Columns, Lines, Where	
Examiner Initials*	Cite No.1	Number - Kind Code ^{2 (if known)}	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	
DC		US-5,309,421 (w/ counterpart CN 1059222A)	05-03-1994	FUJISAWA, Hirotoshi		
1		US-				
		US-				
		US-				
		US-				
		US-			· · · · · · · · · · · · · · · · · · ·	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-		•		
		US-				
		US-		·		
		US-				
		US-				

		FOREIGN PA	TENT DOCUMEN	TS		
		Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Ote Initials* No.1		Country Code ³ - Number ⁴ - Kind Code ^{5 (If known)}	Publication Date (MM-DD-YYYY)	Applicant of Cited Document	Passages or Relevant Figures Appear	16
PC		CN 1059222A (w/counterpart U.S. 5,309,421)	03-04-1992			
	ļ					ㅁ
				ļ		므
	ļ	•				므
	L			<u> </u>		LU
Examiner Signature	T	Pund Cullahan		Date Considered	4-7-01	٢

^{*}EXAMINER: Initial if reference considered, whether or not ditation is in conformance with MPEP 609. Draw line through ditation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

dered. Include copy of this form with next communication to Applicant.

Applicant's unique citation designation number (optional).

See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

*For Japanese patent documents, the indication or the year of the regn of the competed with precise the serial number of the potent document.

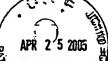
*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

*Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, and other interests and other interests. The will have described upon the individual case. Any compets Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.





SHEET 2 of 2



(AW 08/03)

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/020,427			
Filing Date	December 7, 2001			
First Named Inventor	Mitsuaki Oshima, et al.			
Art Unit	2134			
Examiner Name	Paul E. Callahan			
Attorney Docket No.	MTS-520US3			

 			т
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	τ'
φċ		Chinese Official Action for CN 1059222A, date issued November 26, 2004 with English translation	Ø
		·	
			0

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

*Applicant's unique citation designation number (optional).

Signature

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Considered

^{&#}x27;Applicant's unique ditation designation number (optional).

Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.